

## Curriculum Vitae



### personal informations

name and surname Barbara Federica Scremin  
adresse Quartiere Vittorio Veneto, 36; 36061 Bassano del Grappa (VI), Italia  
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E-Mails [scremin@iom.cnr.it](mailto:scremin@iom.cnr.it), [barbara.scremin@cnr.it](mailto:barbara.scremin@cnr.it), [barbarafscremin@gmail.com](mailto:barbarafscremin@gmail.com)  
skype barbarafedericascremin  
nationality Italian  
bith date 01/06/1971  
place of bith Bassano del Grappa, (VI), Italia  
fiscal code SCRBBR71H41A703Z

### work experiences

Date position and occupation	June 2017-today Researcher CNR National Research Council of Italy, IOM-Materials Foundry institute <ul style="list-style-type: none"><li>▪ SERS-UV (Surface enhanced Raman scattering in the ultraviolet region of electromagnetic spectrum) with Pt, Rh, Pd...prepared by infrared pulsed laser ablation: computational and experimental work, in collaboration with the chemistry department of University of Padova (Prof. Moreno Meneghetti), la beamline IUVS of Elettra Sincrotrone di Trieste (Dr. Francesco D'Amico) and IOM analytics laboratory XPS-UPS (Dr.ssa Cinzia Cepek, Prof. Alberto Morgante).</li><li>▪ Free topic Research on free time:<ul style="list-style-type: none"><li>1-Christian Theology and Religions (exegeses and hermeneutical of apocrypha texts) (2019-2023).</li><li>1-Neuro Linguistic musical programming for inclusion (2023).</li><li>3-Scientific cuisine (2024).</li><li>4-The techniques of meditation (Christian and Oriental), theory and practice (2024-)</li><li>5-The case study of Vincent Van Gogh: life and art (late 2014-)</li></ul></li></ul>
date position and occupation	16/02/2009 – June 2017 CNR-NNL-National Nanotechnology Laboratory, Lecce, University of Padova: <ul style="list-style-type: none"><li>▪ Characterization and compositional of materials by optical spectroscopy (UV-VIS, micro-Raman, IR) and integration with results from other techniques (TEM, XRD); studies on titania nanoparticles and modified titania nanoparticles. TEM data analysis.</li><li>▪ Compositional identification on microsamples work of arts by micro-Raman and study of techniques and materials of cultural heritage.</li></ul>
name and address field	Consiglio Nazionale delle Ricerche, Piazzale Aldo Moro,7, 00185 Roma <a href="http://www.cnr.it">www.cnr.it</a> , <a href="http://www.nnl.it">www.nnl.it</a> research

Date	15/09/2003 - 15/02/2009
position and occupation	researcher
principal activities and responsibilities	<p>INFM-National Institute for the Physics of Matter</p> <ul style="list-style-type: none"> <li>■ Nonlinear optical properties (nonlinear refractive index and absorption coefficient) of noble metal nanoclusters and their alloys in silica (by sputtering and ionic implant), luminescence of Lanthanide in sol gel matrix</li> <li>■ "Cultore della materia" ("Expert of the field") General and Experimental Physics, participation in exams committees</li> <li>■ Research &amp; development on the instrumental and experimental apparatus of Z-Scan, on laser sources and on the data-acquisition system and data analysis.</li> </ul> <p>Laboratory NNL INFM-CNR in Lecce:</p> <ul style="list-style-type: none"> <li>■ Study and reflection on Safety and Hazards in research. Toxicology.</li> <li>■ Participation to instruction and discussion on laboratory activities on dye sensitized solar cells – nondestructive identifications.</li> </ul>
name and address	INFM-CNR
Sector	Corso Perrone, 24, 16152 Genova <a href="http://www.infm.it">www.infm.it</a> , <a href="http://www.unive.it">www.unive.it</a>
Date	Gennaio 2001 - 14 Settembre 2003
position and occupation	Assegnista di Ricerca post-doc
principal activities and responsibilities	<p>Quantum Electronics Laboratory:</p> <ul style="list-style-type: none"> <li>■ Feasibility studies for the implementation of the laser source in use (ring cavity home made Nd:Glass laser) in the passive mode locking mode (SESAMs, Thin films).</li> <li>■ Measure and determination of nonlinear optical properties on nanometric metal nanoaggregates in glass (Z-Scan-wavefront distortions) prepared by ionic implant by Dipartimento di Fisica dell'Università di Padova (Prof. Mazzoldi) and by Sputtering (Univeristy Ca' Foscari of Venice, Profs. Giancarlo Battaglin, Elti Cattaruzza).</li> </ul>
name and address	Università Ca' Foscari di Venezia, Dipartimento di Chimica Fisica Calle Larga S. Marta Dorsoduro, 2137, 30123 Venezia <a href="http://www.unive.it">www.unive.it</a>
Sector	Research and education
Activity not relevant for the research sector	<ul style="list-style-type: none"> <li>■ Humble works (waitress on weekends and holidays from 18 years old to 26, entertainer of groups for the AULSS7-social sector ) motivation: a bit of economic independence from family, from me mental independence.</li> <li>■ Caregiving (2000-2016 father with Parkinson, Alzheimer and diabetic foot)</li> <li>■ Teaching activity of science in a scientific lyceum, mathematics and science in a middle school (during the post doc)</li> </ul>
<b>Instruction</b>	
Date	August 1997 - March 2001
Title or qualification	PhD, philisopiae doctor
Main Theme	Tesis: "Proprietà ottiche non lineari di aggregati a trasferimento di carica" (Nonlinear optical properties of charge transfer nanoaggregates)
Name and type of educational organization	Università degli Studi di Padova (Dipartimento di Chimica Fisica) Via 8 Febbraio, 2, 35122 Padova <a href="http://www.unipd.it">www.unipd.it</a>
Date	1991 - 1997
Title or qualification	Laurea in Chimica 106/110 (Degree in Chemistry)
Main Theme	Tesis: "Indagine mediante spettroscopia Raman Risonante su aggregati del TTF radicale catione in matrice polimerica" (investigation by Resonant Raman spectroscopy of TTF radical cation in polymeric matrix)
Name and type of educational organization	Università degli Studi di Padova (Dipartimento di Chimica Fisica) Via 8 Febbraio, 2, 35122 Padova <a href="http://www.unipd.it">www.unipd.it</a>
Date	1985 -1991

Title or qualification	Maturità scientifica
Name and type of educational organization	Liceo Scientifico Jacopo Da Ponte Via S. Tommaso d'Aquino, 12, 36061 Bassano del Grappa (VI) <a href="http://www.liceodaponte.it">www.liceodaponte.it</a>
Personal skills and abilities	
Mother Tongue	Italian
Other Languages	English (good) French (2 years course, intermediate level) Russian (1-year course, a little) Latin (5 years lyceum) German (1 year, a little)
Social skills and abilities	Good attitude to work in team and multidisciplinary (developed in the research activity where interdisciplinary dialog is fundamental)  Team and cooperation spirit, sensibility towards persons and nature (developed in Agesci -Cristian- scouting)  Ability to live together and to work in multicultural (developed during courses at the Abdus Salam international Centre for Theoretical Physics in Trieste)
Organizational skills and abilities	Good organizational skills (developed in scouting and experimental work)
Informatic skills and abilities	Software: office, Gimp, Clip studio paint (image processing), QCAD, iCAD-Mac, (Computer Aided Design), MATLAB, Origin, Igor, ImageJ (data analysis), LabVIEW (experiment lab automation), Endnote (bibliographies), Mac OSX operative systems
Artistic skills and abilities	Photography and aesthetic sense (developed in a photographic group and as second photographer in Gianni Guidolin Studio, Bassano del Grappa (VI) and by personal study and interest.  Drawing, multi-technical (for personal interest and to push on forward creativity)
<u>Other skills and competencies</u>	Good interpersonal communication skills (developed as entertainer for AULSS7, and personal interest – Self Mutual Help course, assertive communication course)  Course on “Psychoeducation for young people” “Dr.ssa Fusco, CSM (Center for Mental Health) Bassano del Grappa  Participation to a cognitive-behavioral group of psychotherapy, 1 year (Dr. Caneva, CSM Bassano del Grappa)  Personal cognitive-behavioral psychotherapy, 2 years- (Dr. Caneva, Dr. Marra)
Driving License	B
Additional Information	<b>Peer Review Publications</b>  1. C. Ferrante, D. Pedron, R. Pilot, B. F. Scremin, R. Bozio, “Ultrafast relaxation dynamics of the CT state of (TTF+) <sub>2</sub> radical dimers embedded in a PMMA polymer film” Recent Advances in Ultrafast Spectroscopy: Proceedings of the XII UPS Conference, (LENS 2001). Edited by Salvatore Califano, Paolo Foggi and Roberto Righini, Fondazione Carlo Marchi Quaderni 21, Leo S.Olschki, Firenze 2001.  2. E. Cattaruzza, F. D’Acapito, C. de Julian Fernandez, A. De Lorenzi, F. Gonella, G. Mattei, C. Maurizio, P. Mazzoldi, S. Padovani, B. F. Scremin, F. Zontone, “Sequential ion implantation of copper and cobalt in silica glass: a study by synchrotron radiation techniques”, Nuclear Instruments and Methods B, 191 (2002) 406-410.

3. R. Polloni, B. F. Scremin, P. Calvelli, E. Cattaruzza, G. Battaglin, G. Mattei, "Metal nanoparticle silica composites: z-scan determination of nonlinear refractive index", *Journal of Non Crystalline Solids*, 332, (2003), 300-305.
4. G. Battaglin, P. Calvelli, E. Cattaruzza, F. Gonella, R. Polloni, B. F. Scremin, G. Mattei, C. Maurizio, P. Mazzoldi, S. Padovani, C. Sada, F. D'Acapito, "Fast nonlinear refractive index of pure and alloy metallic nanoclusters in silica Glass", *Composites Science and Technology*, 63, (2003), 1203- 1208.
5. S. Bucella, P. Riello, B. F. Scremin, P. Calvelli, R. Polloni, A. Speghini, M. Bettinelli and A. Benedetti "Synthesis and luminescence properties of ZrO<sub>2</sub> and ZrO<sub>2</sub>/SiO<sub>2</sub> composites incorporating Eu(III)-phenanthroline complex prepared by a catalyst-free sol-gel process" *Optical Materials*, 27, (2004), 249-255.
6. G. Battaglin, E. Cattaruzza, F. Gonella, R. Polloni, B. F. Scremin, G. Mattei, P. Mazzoldi, C. Sada, "Structural and optical properties of Cu:silica nanocomposite films prepared by co-sputtering deposition", *Applied Surface Science*, 226, (2004), 52-56.
7. E. Cattaruzza, G. Battaglin, P. Canton, C. de Julian Fernández, M. Ferroni, F. Gonella, C. Maurizio, P. Riello, C. Sada, C. Sangregorio, B. F. Scremin "Radiofrequency magnetron co-sputtering deposition synthesis of Co-based nanocomposite glasses for optical and magnetic applications", *Applied Surface Science*, 226, (2004), 62-67.
8. G. Battaglin, V. Bello, E. Cattaruzza, F. Gonella, G. Mattei, P. Mazzoldi, R. Polloni, C. Sada, B. F. Scremin, "RF magnetron co-sputtering deposition of Cu-based nanocomposite silica films for optical applications", *Journal of Non Crystalline Solids*, 345, (2004), 689-693.
9. E. Cattaruzza, G. Battaglin, F. Gonella, G. Mattei, P. Mazzoldi, R. Polloni and B.F. Scremin "Fast third-order optical nonlinearities in metal alloy nanocluster composite glass: negative sign of the nonlinear refractive index" *Applied Surface Science*, 247, (2005), 390-395.
10. G. Mattei, G. Battaglin, E. Cattaruzza, C. Maurizio, P. Mazzoldi, C. Sada and B.F. Scremin "Synthesis by co-sputtering of Au-Cu alloy nanoclusters in silica" *Journal of Non-Crystalline Solids*, 353, (2007), 697-702.
11. E. Cattaruzza, G. Battaglin, F. Gonella, R. Polloni, B. F. Scremin, G. Mattei, P. Mazzoldi, C. Sada, "Au-Cu nanoparticles in silica glass as composite material for photonic applications", *Appl. Surf. Sci.*, 254, 1017-1021, (2007).
12. H. Xu, R. A. Picca, Luisa De Marco, C. Carlucci, A. Scarscia, P. Papadia, B. F. Scremin, E. Carlino, C. Giannini, C. Malitesta, M. Mazzeo, G. Gigli, G. Ciccarella, "Nonhydrolytic convenient route to Boron doped TiO<sub>2</sub> nanocrystals", *Eur. J. Inorg. Chem.* (2012) DOI: 10.1002/ejic.201200842
13. M.R. Belviso, C. Giannini, E. Carlino, B. F. Scremin, P. D. Cozzoli, "Nonaqueous Synthesis of Colloidal TiO<sub>2</sub>-B Nanocrystals with mixed linear and branched topologies"
14. B. F. Scremin, M. R. Belviso, D. Altamura, C. Giannini, P. D. Cozzoli, "Comparative Raman Study of Organic-free and Surfactant-capped Rod-shaped anatase TiO<sub>2</sub> Nanocrystals, *Science of Advanced Materials*, 05 (2014) 6 (5).
15. H. Xu, C. Carlucci, B. F. Scremin, C. Giannini, T. Sibillano, A. Scarscia, A. L. Capodilupo, G. Gigli, G. Ciccarella, "Synthesis of Ultrafine Anatase Titanium Dioxide Nanocrystals by the Microwave- Solvothermal Method", *Journal of Nanoengineering and Nanomanufacturing*, 4 (2014) 1-5.

16. C. Carlucci, H. Xu, B. F. Scremin, C. Giannini, D. Altamura, E. Carlino, V. Videtta, F. Conciauro, G. Gigli, G. Ciccarella, "Selective Synthesis of TiO<sub>2</sub> Nanocrystals with Morphology Control with the Microwave-Solvothermal Method"- Cryst. Eng. Comm. 12, (2013), 16.
17. H. Xu, C. Carlucci, B. F. Scremin, E. Carlino, G. Gigli, G. Ciccarella, "Controllable One- Pot Synthesis of Anatase TiO<sub>2</sub> Nanorods with the Microwave-Solvothermal Method", Science of Advanced Materials, 08 (2014), 6(8).
18. C. Carlucci, B. F. Scremin, T. Sibillano, C. Giannini, E. Filippo, P. Perulli, A. L. Capodilupo, G. A. Corrente, G. Ciccarella, "Microwave-assisted synthesis of Boron-modified TiO<sub>2</sub> nanocrystals", Inorganics, 06 (2014), 6(5).
19. C. Carlucci, F. Conciauro, B. F. Scremin, A. G. Antico, M. Muscogiuri, T. Sibillano, C. Giannini, E. Filippo, C. Lorusso, P. M. Congedo, G. Ciccarella, "Properties of aluminosilicate refractories with synthesized Boron-modified TiO<sub>2</sub> nanocrystals" Nanomaterials and Nanotechnology, 03, (2015), 5(1)
20. C. Lorusso, V. Vergaro, A. Monteduro, A. Saracino, G. Ciccarella, P. M. Congedo, B. F. Scremin, "Characterization of polyurethane foam added with synthesized acetic and oleic acid –modified TiO<sub>2</sub> nanocrystals" Nanomaterials and Nanotechnology, 09, (2015), 5(1).
21. F. Conciauro, E. Filippo, C. Carlucci, V. Vergaro, F. Baldassarre, R. D'Amato, G. Terranova, C. Lorusso, P. M. Congedo, B. F. Scremin, G. Ciccarella, "Properties of nanocrystals-formulated aluminosilicates bricks" Nanomaterials and Nanotechnology, 10 (2015), 5(1).
22. V. Vergaro, C. Carlucci, M. Cascione, C. Lorusso, F. Conciauro, B. F. Scremin, P. M. Congedo, G. Cannazza, C. Citti, G. Ciccarella, "Interaction between human serum albumin and different anatase TiO<sub>2</sub> nanoparticles: a nano-bio interface study" Nanomaterials and nanotechnology, 10 (2015) 5 (1).
23. E. Filippo, A. L. Capodilupo, C. Carlucci, P. Perulli, F. Conciauro, G. A. Corrente, B. F. Scremin, G. Gigli, G. Ciccarella, "Efficient, green non-aqueous microwave-assisted synthesis of anatase TiO<sub>2</sub> and Pt loaded nanorods with high photocatalytic performances" Nanomaterials and nanotechnology, 10 (2015).
24. BF Scremin, Tetrathiafulvalene radical cation (TTF<sup>+</sup>) Charge Transfer aggregates included in PMMA matrix, a Resonance Raman Study, arXiv preprint arXiv:1709.01823 (2017)
25. V Vergaro, E Carata, F Baldassarre, E Panzarini, L Dini, C Carlucci, ..., Scalable production of calcite nanocrystals by atomization process: Synthesis, characterization and biological interactions study, Advanced Powder Technology 28 (10), 2445-2455 (2017)
26. A Fiore, G Morello, BF Scremin, Raman and photoluminescence spectra of ZnTe/CdSe and ZnTe/CdTe tetrapod shaped nano-hetero structures Superlattices and Microstructures 113, 143-146 (2018)
27. BF Scremin, Nonlinear absorption of tetrathiafulvalene radical cation (TTF<sup>+</sup>) based charge transfer (CT) aggregates in PMMA Organic Electronics 61, 329-333 (2018)
28. BF Scremin, Raman study of a work of art fragment Vibrational Spectroscopy 99, 162-166 (2018)

1999

"Seminario Nazionale di Chimica Fisica 1999"

(poster-presentation) Villa Gualino (Torino-Italy) 20-25 June 1999. (mi è stata conferita una borsa di studio per parteciparvi)

2000

"Winter College on Optics and Photonics" & "Optical Design and Optimization" training course (seminar presentation) ICTP (Trieste-Italy) 7-25 February 2000. ICTP-ICS-UNIDO (Trieste-Italy) 28 February -3 March 2000.

"Research Workshop on Graph Theory and Statistical Physics" ICTP -(Trieste-Italy) 22-25 May 2000.

"Dottorato, innovazione, lavoro: il valore della Ricerca"

Conference of ADI-Associazione Dottorandi e Dottori di Ricerca Italiani, Forte dei Marmi, Italy, October 2000

2001

"Winter School on Laser Spectroscopy and Applications" & "Training Course on Applied Spectroscopy and Instrumentation" ICTP (Trieste-Italy) 19 February –2 March 2001

ICTP-ICS-UNIDO (Trieste-Italy) 5-9 March 2001.

"CLEO/Europe-EQEC focus meetings"

15<sup>th</sup> International Conference on Lasers and Electro optics in Europe Munich, Germany, 18-22 June 2001

2002

"Winter College On Ultrafast Non-Linear Optics" & "Training Course on Instrumentation for Ultrashort Solid State Lasers"

ICTP (Trieste-Italy) 18 February –1 March 2002.

ICTP-ICS-UNIDO (Trieste-Italy) 4-9 March 2002

"IV Symposium on SiO<sub>2</sub> and advanced dielectrics" Trento, Italy, 16-18 September 2002

2003

"Winter College on Biophotonics: Optical Imaging and Manipulation of Molecules and Cells" & "Training Course on Laser Based Tools for Optical Imaging in Biology and Medicine"

ICTP-ICO-OSA-SPIE-OWLS (Trieste-Italy) 10-21 February 2003.

ICTP-ICS-UNIDO (Trieste-Italy) 24-28 February 2003

2004

"Winter college on interferometry and applications in modern physics" & "Training course on design and implementation of interferometry systems" ICTP (Trieste-Italia) 2-13 Febbraio 2004.

ICTP-ICS-UNIDO (Trieste-Italy) 16-20 February 2004

"Metrology for nanotechnology" Nanotech IT-AIRI Villa Gualino (Torino-Italy) 12-13 May 2004.

"Spring College on Science at the nanoscale" ICTP (Trieste-Italy) 24 May-11 June 2004.

"Quantum Physics and Chemistry spring school QPCSS2004" Tunis, Tunisia 13-17 April 2004.

2005

"Winter College on Optics and Photonics in Nanoscience and Nanotechnology" & "Experimental methods in nanophotonics-training course"

ICTP-ICO-OSA-SPIE-OWLS-CEI (Trieste-Italy) 7-18 February 2005

ICTP-ICS-UNIDO, (Trieste-Italy) 21-25 February 2005.

2006

"School on Mathematical Methods for Optics" ICTP-Trieste 23-27 Gennaio 2006

"Winter College on Quantum and Classical Aspects of Information Optics" ICTP – CEI-ICO-OSA-SPIE-OWLS

Directors: M.L. Calvo, P. Knight, P. Tombesi ICTP-Trieste 30 Gennaio-10 Febbraio 2006

"The Future of Science 2006, 2nd world Conference: Evolution of Matter, Life and mind" Fondazioni U. Veronesi, S. Tronchetti Provera, Cini  
Fondazione Giorgio Cini, Venezia 20-23 Settembre 2006

"Scienza & Media 2006: la diffusione della Cultura Scientifica e l'Editoria" Parco Scientifico e Tecnologico di Venezia-VEGA, 28-29 Settembre 2006

2007

"Preparatory School to the Winter College on Fibre Optics, Lasers and Sensors" ICTP-Trieste 5-9 Febbraio 2007

"Winter College on Fibre Optics, Lasers and Sensors" ICTP-ICO-OSA-SPIE-EOS-OWLS-CEI

Directors: H. Fragnito, A. Clarkson, A. Mignani ICTP-Trieste 12-23 Febbraio 2007

"The Future of Science 2007, 3rd world Conference: The Energy Challenge"

Fondazioni U. Veronesi, S. Tronchetti Provera, Cini

Fondazione Giorgio Cini, Venezia 19-22 Settembre 2007

2008

"Preparatory School to the Winter College on Micro and Nano Photonics for Life Sciences" ICTP-Trieste 4-8 Febbraio 2008

"Winter College on Micro and Nano Photonics for Life Sciences" ICTP-CEI-EOS-ICO-OSA-US National Academy of Sciences-SPIE Directors: M. Bertolotti, M.

Havenith, O. E. Martinez

ICTP-Trieste 11-22 Febbraio 2008

"Advanced School on Synchrotron and Free Electron Laser Sources and their Multidisciplinary Applications"

Directors: N. Binggeli, M. Kiskinova, A. Markowicz ICTP-Trieste 7-25 Aprile 2008

"The Future of Science 2008, 4th World Conference: Food and Water for Life"

Fondazioni U. Veronesi, S. Tronchetti Provera, Cini

Fondazione Giorgio Cini, Venezia 24-27 Settembre 2008

"Joint ICTP-KFAS Workshop on Nanoscience for Solar Energy Conversion" KFAS-CEI-ICMR

Directors: F. De Angelis, Md. Khaja Nazeeruddin ICTP-Trieste 27-29 Ottobre 2008

2009

"Winter college on optics in environmental science & preparatory school"

CEI-Central European Initiative; EOS-European Optical Society; ICO-International Commission for Optics; OSA-Optical Society of America; SPIE- The International Society for Optics and Photonics.

Directors: A. Consortini, R.P. Singh, S. Svanberg. Local Organizer: J. Niemela ICTP-Trieste, 26-30 January & 2-13 February

"The Future of Science 2009, 5th world Conference: The DNA revolution"  
Fondazioni U. Veronesi, S. Tronchetti Provera, Cini  
Fondazione Giorgio Cini, Venezia 19-22 September 2009

2010

"Winter college on optics and energy & preparatory school"  
TS, ICTP, 26-30 January, 8-19 february  
the International Commission for Optics (ICO), the Optical Society of America (OSA),  
the International Society for Optics and Photonics (SPIE), the European Optical  
Society (EOS), the Societa Italiana di Ottica e Fotonica (SIOF), the US National  
Academy of Science (NAS), the Photonics Society (IEEE) and the Central European  
Initiative (CEI)  
Directors: V. Lakshminarayanan and G. Lanzani. Local Organizers: M. Danailov and  
J. Niemela

"School on computational nanoscience"- TS, ICTP, 17-28 may Psi-k Network,  
CECAM and DEMOCRITOS CNR-IOM Directors: A. Foster, N. Mazari, S. Scandolo.

Fotonica 2010- Pisa, CNR, 25-27 may

"Il ruolo emergente delle nanotecnologie nelle scienze della vita"-  
Ospedali riuniti di Trieste, Facoltà di Medicina e Chirurgia, SPIN-CNR, TASC,  
Università TS TS, Area Science Park, 21 june 2010

VI conferenza nazionale del colore,  
Gruppo nazionale del Colore SIOF-Lecce, Rettorato, 16-17 september

"The future of science 2010, Viruses: the invisible enemy" VE, Fondazione Cini, '19-  
21 september

"Nanotechitaly", CNR, Veneto nanotech, AIRI-NanotechIT-VE, 20-22 october

"Laser fest 2010-50" anniversario del Laser- ICTP 12-13 november 2010

"Il laser in Italia, 50" anniversario & assemblea SIOF- FI, Rettorato, 30 november

Presentation of ECSIN-European center for the sustainable impact of  
nanotechnology, Veneto Nanotech, Rovigo, 3 december

2011

"Winter college on optics in imaging science" & preparatory school-TS ICTP, 4-28  
January, 31 January-11 February  
The International Commission for Optics (ICO), the Optical Society of America  
(OSA), the International Society for Optics and Photonics (SPIE), the European  
Optical Society (EOS), the Societa' Italiana di Ottica e Fotonica (SIOF), the US  
National Academy of Science (NAS), the Photonics Society (IEEE) and the Central  
European Initiative (CEI)  
Directors: William T. Rhodes, J.Ojeda-Castafieda, Gianluca Valentini; Local  
Organisers: J. Niemela (ICTP), M. Danailov (Elettra)

School & workshop on New Trends in Quantum Dynamics and Quantum  
Entanglement 14-18, 21-25 February  
Department of Physics of the University of Trieste, Consorzio per la Fisica of Trieste,  
Italy and Institute for Quantum Directors: A. Bassi, F. Benatti, R. Floreanini.  
Advisors: H. Briegel, Y. Hassouni and V. Karimipour. ICTP Local Organizer: A.  
Scardicchio

Meeting of Modern Science and School Physics: College for School Teachers of Physics in ICTP-27 April-3 May  
Directors: Andrey Varlamov, Boris Altshuler, Rita Serafini, Vladimir Kravtsov (Local Organiser), Minella Alarcon

Workshop on Singular Optics and its Applications to Modern Physics- TS ICTP, 30 May-3June Directors: Ebrahim Karimi; Joseph Niemela (Local Organiser)

Microfluidics for molecular imaging workshop-Pisa CNR, 7-8 july

Joint ICTP-KFAS Conference on Nanotechnology for Biological and Biomedical Applications (Nano- Bio-Med)- 10-14 October Directors: Sangeeta Kale, Samir M. Iqbal, Local Organizer: Loredana Casalis

ICTP-SISSA Workshop on New Materials for Renewable Energy- TS ICTP, 17-21 october CECAM and CNRIOM DEMOCRITOS  
Directors: Stefano Fabris and Ralph Gebauer

"Nanotechnology meets clinical medicine, Molecular nanotechnology for life science applications: quantitative interatomics for diagnostics, proteomics and quantitative oncology"- FP7 ideas-Udine & CROAviano 6-8 october 2011

"2nd Conference on Systems Biology and New Sequencing Techniques" & by Introductory Lectures on "Quantitative Approaches to Biological Problems" -ICTP TS 31 October - 4 November  
Organizing Committee: P. Kahlem [EBI - Cambridge], B. Mishra [NYu/Courant Institute] R. Rabadan [Columbia University], G. Stolovitzky fIBM Research, USA]; Local Organizer: M. Marsili

"The future of science 2011: Mind, the essence of humanity" Fondazione Cini VE, 18-20 september

2012

"WoMeN: Workshop on nanoMedicine and Nanobiosystems", Museo Provinciale Sigismondo Castromediano, Lecce, 6-8 September 2012.  
CNR-NANO, Provincia di Lecce, Dipartimento di Matematica e Fisica "Ennio de Giorgi", Università del Salento.

"The future of science 2012: Nanoscience Society", Fondazione Cini, Venice, 16-18 September 2012.

2015

Corso online su terapia Gerson "healing the impossible"

2017

FisMat 2017 the Italian National Conference on Condensed Matter Physics (Including Optics, Photonics, Liquids, Soft Matter)  
Held at the ICTP in Miramare (TS), 1th – 5nd October, 2017

Titolo corso CNR: Gli aspetti legali e finanziari in Horizon 2020: dalla proposta alla firma del Grant agreement" (2111301.2111314)  
Data corso: dal 23-11-2017 al 23-11-2017 - Aula Aula Marconi Roma, P.le Aldo Moro 7 Organizzatore: Ufficio Formazione - APRE

2018

Titolo corso: Il management dei progetti di ricerca (2294792.2294825) Data corso: dal 01-03-2018 al 01-03-2018

	<p>Winter College on Extreme Non-linear Optics, Attosecond Science and High-field Physics   (smr 3184) Address: Strada Costiera, 11 I - 34151 Trieste (Italy)  Room: Budinich Lecture Hall (LB) Secretary: Federica Delconte  Organizer(s): Francesca Calegari (IFN-CNR, Milan - Italy and DESY, Hamburg - Germany), David Blaschke (University of Wroclaw - Poland; JINR Dubna and NRNU Moscow - Russia), Miltcho Danailov (Elettra-Sincrotrone, Trieste – Italy), Zhiyi Wei (Institute of Physics, Chinese Academy of Sciences, Beijing - China), Local Organiser: Joseph Niemela  Cosponsor(s): Optical Society of America, International Society for Optics and Photonics, International Commission for Optics, European Optical Society, Società Italiana di Ottica e Fotonica, International Society on Optics Within Life Sciences  5 Feb 2018 - 16 Feb 2018, ICTP</p> <p>Titolo corso: H2020: Portale del partecipante, ricerca partner, rendicontazione e audit (2295566.2295573)  Data corso: dal 27-03-2018 al 27-03-2018 - Aula Aula Marconi Roma, P.le Aldo Moro 7 Organizzatore: Ufficio Formazione - Ufficio Relazioni Europee e Internazionali</p> <p>2020</p> <p>Titolo corso: Webinar "Epidemiologia e modalità di trasmissione del virus SARS-COV-2. Misure per il contrasto e la prevenzione nel CNR" (4099223.4157568)  Data corso: dal 19-06-2020 al 19-06-2020 - Aula Aula virtuale Webinar - Organizzatore: Unità Formazione e Welfare - Unità Prevenzione e Protezione CNR</p>
Seminars	<p>"Charge transfer molecular aggregates: an insight into optical properties", 20/05/2003, Max-Born Institute, Berlin, Germany.</p> <p>"Nonlinear optical properties of TTF charge transfer nanoaggregates", 02/2000, LAMP seminars, Laser Atomic and Molecular Physics, ICTP, Trieste, Italy.</p> <p>"Third order nonlinearities in submicrometric thin films of metal nanoclusters in silica", 02/2005, LAMP seminars, ICTP Trieste, Italy.</p>
Presentations	<p>"Resonant Raman spectroscopy of charge transfer nanoaggregates", poster, National Seminar of Chemical Physics, 1999, Villa Gualino, Torino, Italy</p> <p>"Nonlinear Refraction and absorption of TTF+. charge transfer nanoaggregates", poster, LANMAT- Interaction of Laser radiation with Matter at Nanoscopic scales: from single molecule to material processing, joint meeting of the European Societies of Physical Chemistry, 3-6 October 2001 Venezia, Italy</p> <p>"Fast nonlinear refractive index and nonlinear absorption of sputtered copper thin films with the ps Z- Scan technique", poster, IV Symposium on SiO2 and advanced dielectrics, 16-18 September 2002, Trento, Italy</p>
Awards	<p>fellowship for the Seminario Nazionale di Chimica Fisica 1999</p>
Projects (participation)	<p>FAR-OLED 2007-2009: Giuseppe Gigli. NNL, Lecce, 2007-2009</p>

Autorizzo il trattamento dei miei dati personali, ai sensi del D.lgs. 196 del 30 giugno 2003

Collaborations

Membership in Associations

PRIN 2003: Stefano Polizzi. "Preparation of ibrid organic-inorganic nanocomposites with luminescent properties and their optical, morphological and structural characterization"  
Chemical Physics Dept., Università Ca' Foscari of Venice

PRIN 2002: Francesco Gonella. "Synthesis of nanocomposites by ionic exchange and sputtering and their nonlinear optical characterization"  
Chemical Physics Dept., Università Ca' Foscari of Venice

PRIN 2001: Giancarlo Battaglin. "Synthesis of thin films via RF mangnetron sputtering and their characterization by nuclear techniques and photoelectron spectroscopy"  
Chemical Physics Dept., Università Ca' Foscari of Venice

Participation at Startcup Padova 1st edition (2001-2002), with a group composed of two psicologists and a mathematician. The project was about an on-line structured communication program for professional discussions

IOM-CNR, DISC-NOL University of Padova (scientific collaboration 2018-)

OSA, Optical Society of America (up to 2013)

SIOF, Società Italiana di Ottica e Fotonica-Italian Society of Optics and Photonics (up to 2013)

CAI, Club Alpino Italiano 2015-2016

Agesci-associazione guide e scout cattolici italiani (in my Youth)